

Name: _____

Factoring – Sum and Differences of Two Cubes (Version 1)

Directions: Please fully factor the following.

1. $x^3 + y^3$

2. $m^3 - n^3$

3. $b^3 - 27$

4. $g^3 + 125$

5. $k^{21} + 1$

6. $8x^3 + y^{12}$

7. $27 - 64y^3$

8. $x^3y^9 + 125$

9. $64x^{15} - 8$

10. $2a^{27} + 54y^3$